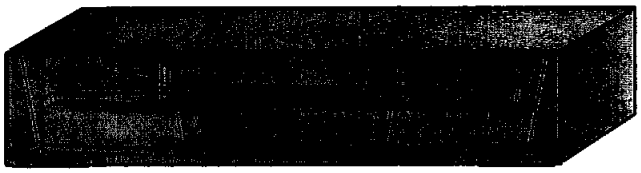
Panasonic

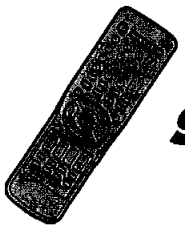
Video Cassette Recorder

NV-FJ620B/BL
NV-SJ220B/BL
NV-SJ216B

(Model suffix: 'B' for UK model, 'BL' for Ireland model)

Operating Instructions





SUPER DRIVE

VIDEOPlus+® VHS PAL QLink

(For NV-FJ620B/BL only)

Shop @ Panasonic

www.panasonic.co.uk.

Before attempting to connect, operate or adjust this product, please read these instructions completely.

VQT9047

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Dear Customer

May we take this opportunity to thank you for purchasing this Panasonic Video Cassette Recorder.
We would particularly advise that you carefully study the Operating Instructions before attempting to operate the unit and that you note the listed precautions.

As this equipment gets hot during use, operate it in a well-ventilated place; do not install this equipment in a confined space such as a bookcase or similar unit.

Caution for AC Mains Lead

For your safety please read the following text carefully

This appliance is supplied with a moulded three-pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-amperes and it is approved by ASTA or BSI to BS 1362.
Check for the ASTA mark ⓐ or the BSI mark ♆ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover, the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt, please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.

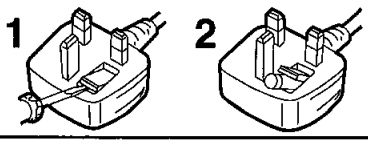
The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

Under no circumstances should either of these wires be connected to the earth terminal of the three pin plug, marked with the letter E or the Earth Symbol ⏚.

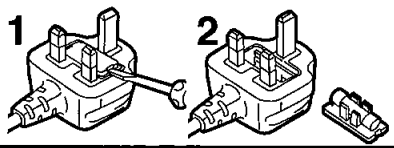
How to replace the Fuse

– There are two types of the AC mains lead assembly: Ⓐ and Ⓑ as shown on the right.
1 Open the fuse compartment with a screwdriver.
2 Replace the fuse and fuse cover.

TYPE Ⓐ



TYPE Ⓑ



IMPORTANT

Your attention is drawn to the fact that the recording of pre-recorded tapes or discs or other published or broadcast material may infringe copyright laws.

WARNING

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

FOR YOUR SAFETY

DO NOT REMOVE OUTER COVER.
To prevent electric shock, do not remove the cover. There are no user serviceable parts inside. Refer all servicing to qualified service personnel.

For your safety, be sure not to connect or handle the equipment with wet hands.

Caution

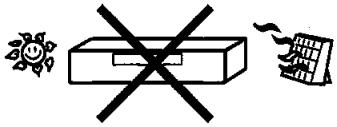
Be sure to read the cautions carefully before you operate this VCR.

Do not cover the ventilation holes

The ventilation holes prevent excessive heat build-up inside the VCR during extended periods of use.
Do not block these holes; especially avoid covering them with soft materials such as paper or cloths.

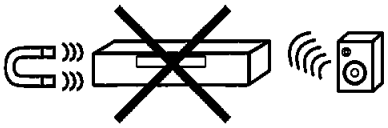
Keep the VCR away from high temperatures

Keep the VCR away from sources of heat such as direct sunlight, heating radiators, or closed vehicles.



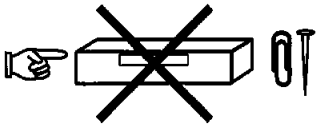
Avoid magnetic and magnetized objects

Never bring a magnet or magnetized object close to the VCR because this could adversely affect the performance of the VCR. When using the VCR together with other equipment, keep as much distance as possible between them to prevent them from adversely affecting each other's performance.



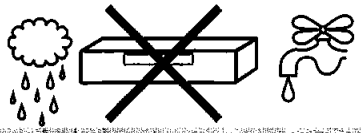
No fingers or other objects inside

Touching internal parts of the VCR is dangerous, and may cause serious damage.
Do not attempt to remove the cover as; there are no user serviceable parts inside.



Keep away from liquids

Keep the VCR away from all liquids.
Caution: If water or some other liquid is spilled into the VCR, serious damage could occur. If this happens, disconnect from the mains socket immediately and consult your dealer.



Video head clogging

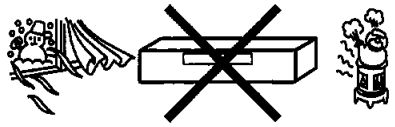
The picture and sound can be lost or become distorted if video heads become clogged.
This may happen in certain environmental conditions or if old or damaged or damp tapes are used or after long use of the VCR. If this occurs then please consult your dealer. Note: Video Head Cleaning is NOT covered by the warranty.

Cleaning the VCR

Wipe the VCR with a clean, dry cloth. Never use any cleaning fluid or other chemicals.
Also do not use compressed air to remove dust.

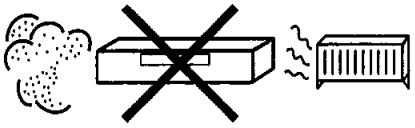
Avoid sudden changes in temperature

If the VCR is moved from a cold to a warm place or if a heater is turned on, condensation may form on the tape surface and inside the VCR.
If this happens, leave the VCR at room temperature for at least 1 hour before operating it.



Avoid humidity and dust

Do not use the VCR in very humid or dusty places.
This may cause damage to its internal parts.



Stacking

Install the VCR in a horizontal position and do not place anything heavy on it.

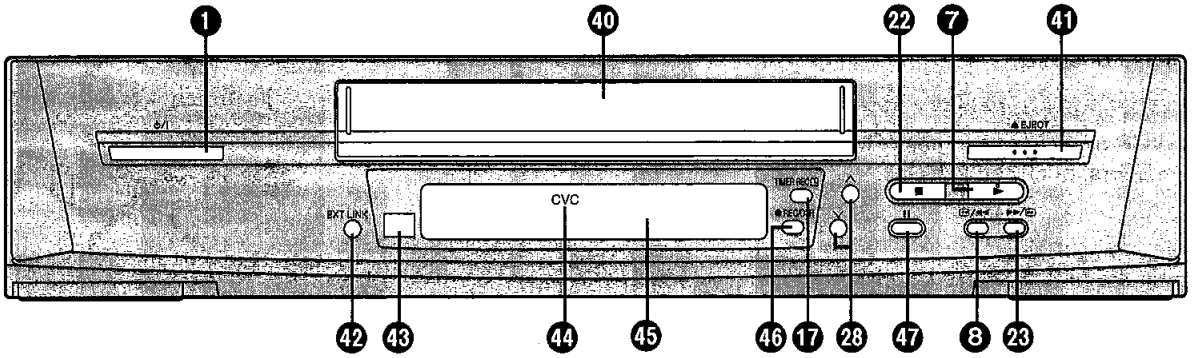
Condensation may form in the following cases

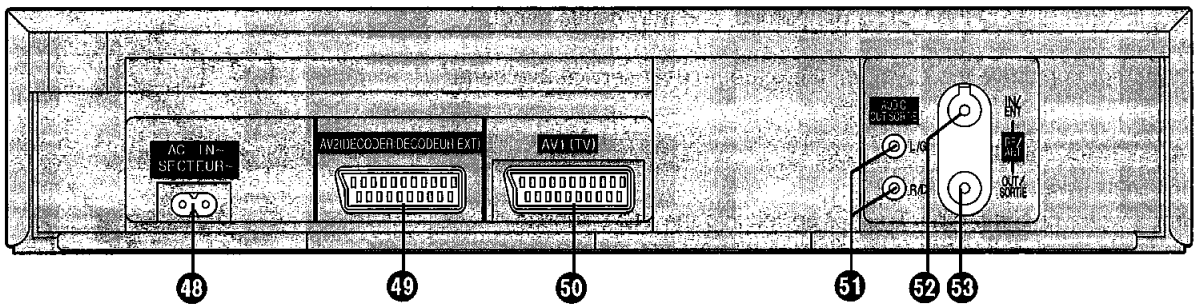
- If the VCR is in a room that was very cold before a heater has just been turned on.
- If the VCR is in a room with steam or high humidity.
- If the VCR is brought from cold surroundings into a well-heated room.
- The VCR is suddenly brought from cool surroundings, such as an air-conditioned room or car, to a place, which is hot and humid.

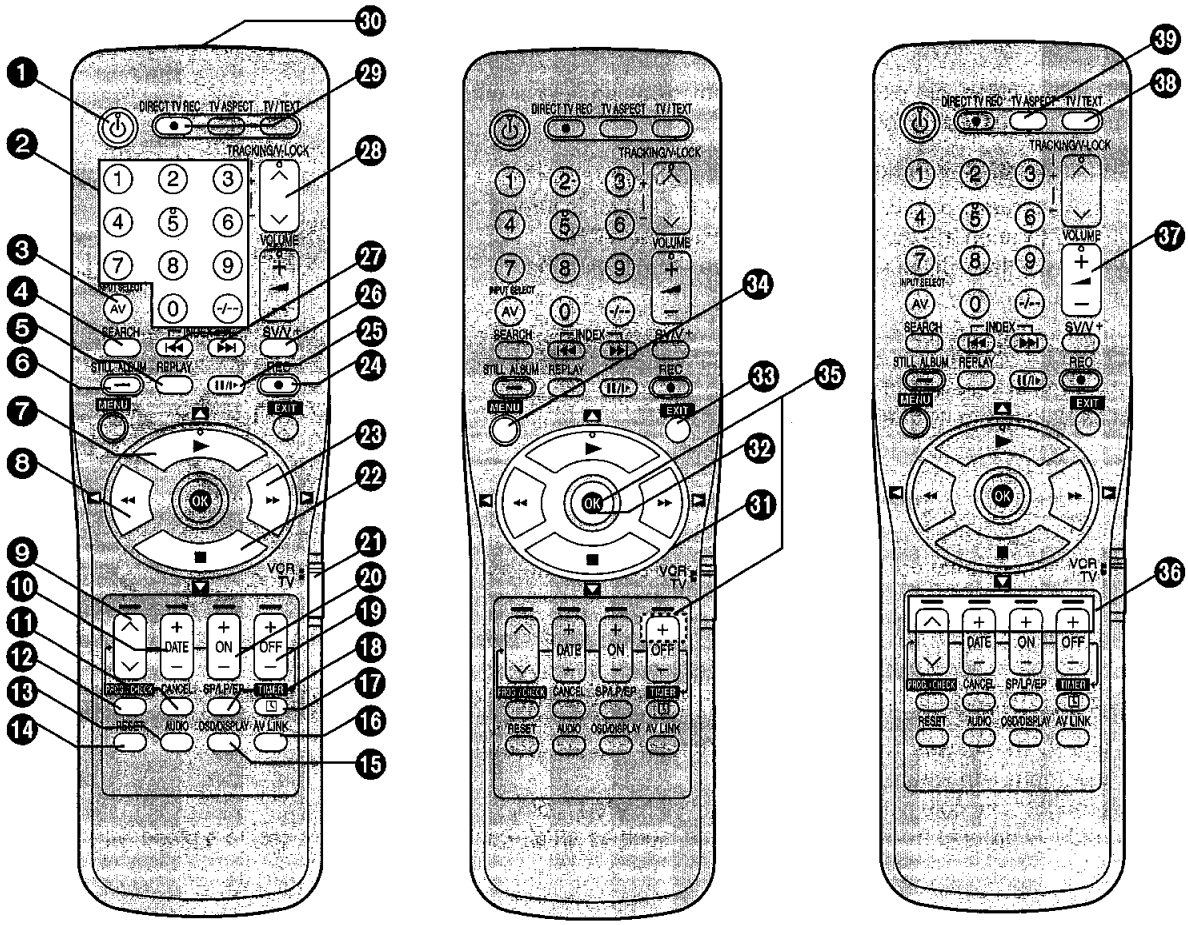
Note:

- In any of the above-mentioned conditions, do not operate the VCR for at least 1 hour.
  This VCR is not equipped with a dew sensor.

Controls and Connectors







❶ **VCR-ON/OFF button**

❷ **Numeric buttons**

❸ **INPUT SELECT button**
(See page 35.)

❹ **SEARCH button**
(See page 34.)

❺ **REPLAY button**
(See page 18.)

❻ **STILL ALBUM button**
This button does not operate on this VCR.

❼ **Play button**

❽ **Rewind button**

❾ **Channel button**

❿ **DATE button**

⓫ **CANCEL button**
(See pages 16 and 26.)

⓬ **PROG./CHECK button**

⓭ **AUDIO button**
This button operates on NV-FJ620B/BL.
(See page 31.)

⓮ **RESET button**
(See page 18.)

⓯ **OSD/DISPLAY button**
(See pages 20 and 31.)

⓰ **AV LINK button**
This button does not operate on this VCR.

⓱ **TIMER (REC) button**

⓲ **SP/LP/EP button**

⓳ **OFF button**

⓴ **ON button**

㉑ **VCR/TV switch**

㉒ **Stop button**

㉓ **Fast Forward button**

㉔ **REC button**

㉕ **Pause/Slow button**

㉖ **SV/V+ button**
(See pages 16 and 24.)

㉗ **INDEX button**
(See page 34.)

㉘ **Channel (TRACKING/V-LOCK) button**
(See page 18.)

㉙ **DIRECT TV REC button**
This button operates on NV-FJ620B/BL.
(See page 20.)

㉚ **Infra-red transmitter**

㉛ **Cursor buttons**

㉜ **OK button**

㉝ **EXIT button**

㉞ **MENU button**

㉟ **Child Lock Function buttons**
(See page 18.)

㊱ **Teletext buttons**
(See page 15.)

㊲ **VOLUME button**
(See page 15.)

㊳ **TV/TEXT button**
(See page 15.)

㊴ **TV ASPECT button**
(See page 15.)

㊵ **Cassette compartment**

㊶ **EJECT button**
(See pages 21 and 29.)

㊷ **EXT LINK button**
(See page 21.)

㊸ **Infra-red Remote Control Receiver window**

㊹ **CVC indicator**
(See page 36.)

㊺ **VCR display**

㊻ **REC/OTR button**
(See page 20.)

㊼ **Pause/Still button**

㊽ **AC Input socket**

㊾ **AV2 21-pin Scart socket**
(For FJ620B/BL and SJ220B/BL only)

㊿ **AV1 21-pin Scart socket**

(51) **AUDIO OUT socket (For NV-FJ620B/BL only)**

(52) **RF IN socket**

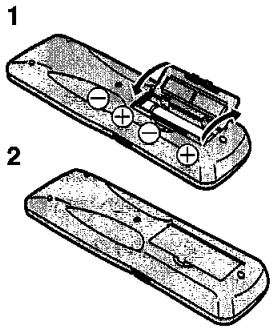
(53) **RF OUT socket**

Checking the Accessories/Preparing the Remote Control

Inserting Remote Control Batteries

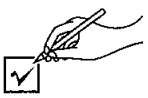
1 Open the battery cover and insert the batteries with the ⊕ and ⊖ correctly aligned.

2 Close the battery cover.



Notes for Battery Replacement:
- When the batteries are exhausted, remove them immediately and dispose of them correctly.
- Do not mix old batteries with new batteries.
- Do not mix different battery types.
- Do not use rechargeable (Ni-Cd) batteries.
- Do not heat or short-circuit the batteries.
- When you do not use the remote control for a long time, take out the batteries and store them in a cool, dry place.

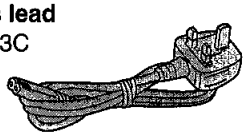
Check that you have the accessories shown



Tick off as you unpack the accessories.

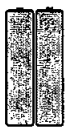
- ☐ **Operating Instructions** VQT9047 (This Book)
- ☐ **Quick Start Guide (For UK model only)** VQC3847
- ☐ **Guarantee Card**
- ☐ **Remote Control** N2QAKB000001

- ☐ **AC Mains lead** RJA0044-3C or VJA1022



- ☐ **RF lead to connect VCR and TV** K2KF2BA00001, VJA0728-A or K1TWACC00001

- ☐ **Batteries for the Remote Control** R6 size

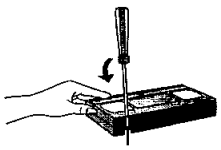


Shop @ Panasonic

- Order accessory and consumable items for all Audio Visual Products with ease and confidence either by telephoning our Customer Care Centre on **08705 357357 Mon–Fri 9:00am–5:30pm and Sat 9:00am–1:00pm**
- Or go on line through our Internet Accessory ordering application at **www.panasonic.co.uk.**
- Most major credit and debit cards accepted.
- All enquires transactions and distribution facilities are provided directly by Panasonic UK Ltd.
- It couldn't be simpler!

1 To Prevent Accidental Erasure of Recording

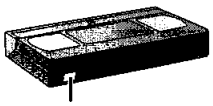
Break out the tab or the rear side of the tape.



Erasure prevention tab

2 To Allow the Tape to be Used Again for Recording

Cover the hole with 2 layers of tape.



Adhesive tape

Tape Care

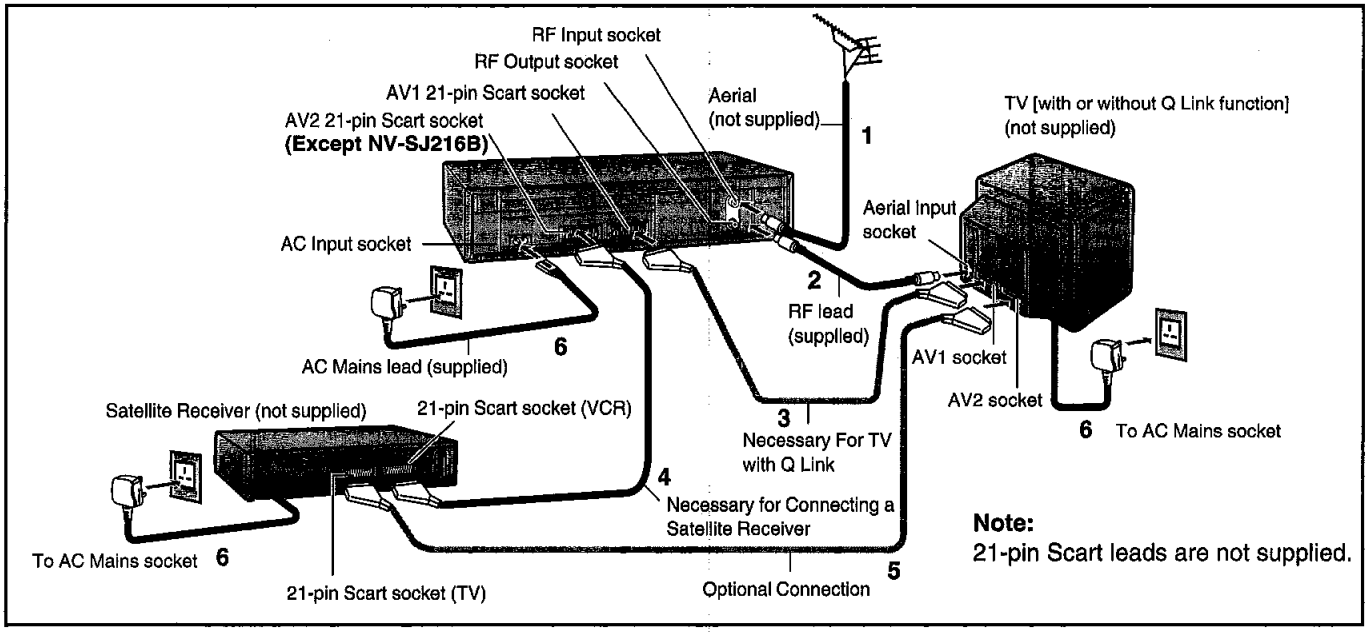
Some do's and dont's on tape care.

DO:
1) Use a good quality branded tape, such as Panasonic.
2) Keep in the box supplied with the tape, or a video case, when not in use.
3) Try to use the whole tape when making recordings and avoid re-recording over the same section of the tape repeatedly as this will help prevent premature tape wear.
4) Take care to insert a tape correctly into the VCR to avoid damage.

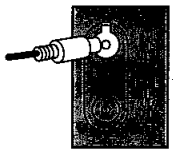
DO NOT:
1) Expose the tape to high humidity or temperature.
2) Expose to liquid.
3) Expose to dust particles by storing directly on a carpet for example.
4) Use a damaged tape or attempt to repair it.
5) Dismantle the cassette housing.
6) Attempt to lift the front cassette flap or touch the tape surface.

Connections (with Scart leads)

Follow the step-by-step guide below.

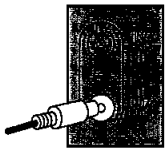


1

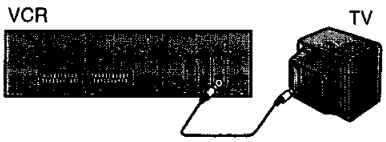


Connect the aerial to the RF Input socket of the VCR.

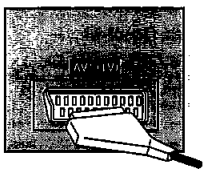
2



Connect the RF lead from the RF Output socket of the VCR to the TV aerial input socket.

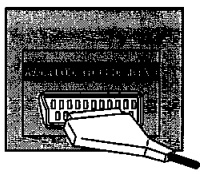


3

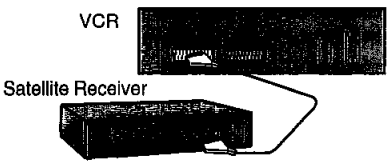


Connect the AV1 21-pin scart socket to TV scart socket (optional).
If your TV does not have a scart socket or you do not have a scart lead, skip this step.
– This is necessary for Download from TV with Q Link function.

4

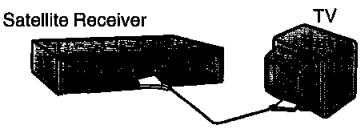


Connect the AV2 21-pin scart socket to the VCR Scart Socket on your Satellite Receiver/Digital Sat receiver (Except NV-SJ216B). If you are not connecting a Satellite Receiver, skip this step.



5

Connect the TV scart socket of your Satellite Receiver to the AV2 scart socket of your TV (optional). If you are not connecting a Satellite Receiver, skip this step.



6

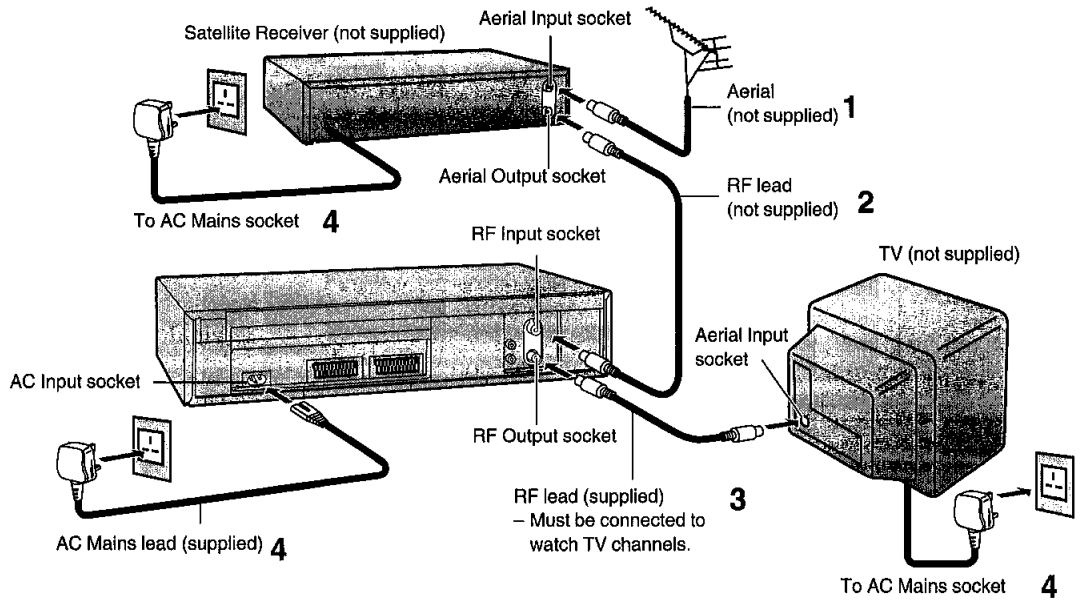
Plug the TV, VCR and Satellite Receiver into the mains as shown at top of the page.

Note:

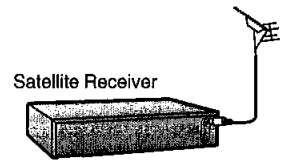
– The explanations in this book refer to Panasonic Q Link TV and VCR, however they may also apply to other makes of TV and VCR with similar functions to Q Link. (See page 36 for details.)

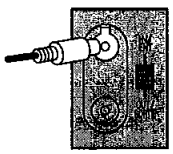
Connections (without Scart leads)

If you do not have any scart leads and your TV is not Q Link type, you can connect your VCR to a TV and Satellite Receiver using RF leads.
Using this connection method may however be difficult to obtain a clear picture from the Satellite Receiver. For this reason it is not recommended for inexperienced users.
(See preferred connection on page 7.)

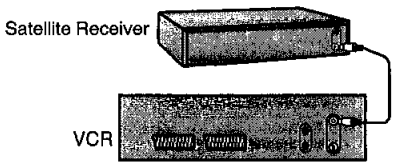

Satellite Receiver (not supplied)
Aerial Input socket
Aerial (not supplied) 1
Aerial Output socket
RF lead (not supplied) 2
To AC Mains socket 4
RF Input socket
TV (not supplied)
Aerial Input socket
AC Input socket
RF Output socket
RF lead (supplied) 3
– Must be connected to watch TV channels.
AC Mains lead (supplied) 4
To AC Mains socket 4

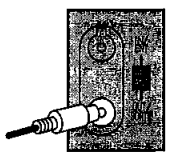
1 Connect the aerial to the aerial input socket of the Satellite Receiver.
– If you do not have a Satellite Receiver, connect the aerial to the RF Input socket of the VCR and go to step **3**.



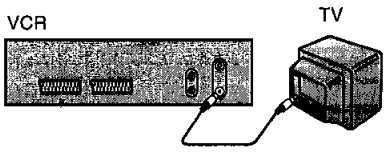
2 

Connect the aerial from Satellite Receiver to the RF Input socket.



3 

Connect the RF Output socket to the TV aerial socket.



4 Plug the TV, VCR and Satellite Receiver into the mains as shown at top of the page.

Notes:
– If you have an analogue satellite receiver, select [SKY ONE] or [SKY NEWS] on the receiver before starting Auto Setup. After Auto Setup is complete, the satellite position will be shown as [SAT] in the channel listing to denote programmes from the satellite receiver.
– If you have a digital satellite receiver, you can start Auto Setup with the receiver set to any channel. We recommend to manually name the [SAT] position after Auto Setup is complete. (See page 27.)

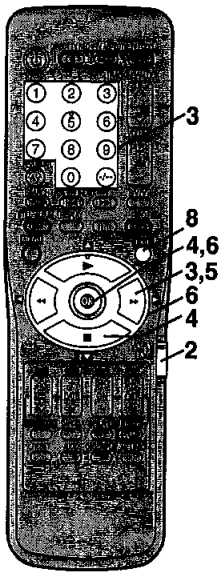
Auto Setup (For TV and VCR with Q Link Functions)

For NV-FJ620B/BL only.

– If you do not have a Q Link TV, ignore this page and go to page 11.
The Preset Download function can automatically copy the tuning position of all available TV stations into the VCR's memory when you connect the VCR using a fully-wired 21-pin Scart lead to a TV equipped with the Q Link function.

To Set Up this VCR with a brand-new Q Link TV

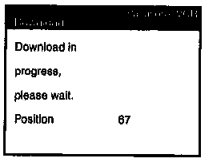
Perform the following operation steps exactly as described to ensure that the Preset Download function works correctly.
– First of all, make sure that the VCR is switched off.



START

1 Switch the TV on. The TV automatically starts to tune all available TV stations and to adjust the clock.
(This is called Auto Setup function.)
– When the TV has finished its own auto setup, the VCR is automatically switched on, and the downloading of the setup data from the TV to the VCR starts.

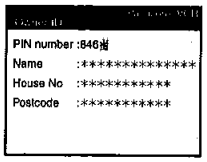
On Screen Display



Indication during downloading

2 Set the VCR/TV switch to [VCR].

3 When Download has finished, the screen for the Owner ID setting menu appears.
Press the Cursor button (▶) and the Numeric buttons to enter a 4-digit PIN number.
– Make sure that you will remember the PIN number (make a note of it).



Menu for Owner ID setting

4 Press the OK button and the Cursor button (▼).
The cursor moves to [Name].

5 Press the Cursor button (▶).

6 Press the Cursor buttons (▲▼◀▶) to select a letter and then press the OK button.
Repeat this to enter the name.

7 Enter [House No] and [Postcode] in the same way.

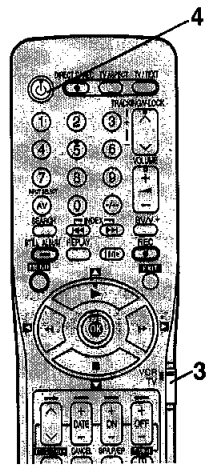
FINISH

8 Press the EXIT button to make the On Screen Display disappear.

Hint:
– If you use a Panasonic Q Link TV and perform the operation step **1** above, starting the downloading of the setup data will automatically display the [Download] indication. However, in case of a TV of another make, the [Download] indication may not appear. In this case, select the AV input on your TV if you want to see the [Download] indication.

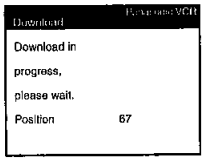
Note:
– If you accidentally switch on the VCR before the TV, downloading of the setup data from the TV may not be performed correctly. In this case, follow the steps below.
1 Wait until the Auto Setup is complete on both the TV and the VCR.
2 Press the MENU button ㉞ to display the OSD Main menu on the TV screen.
3 Press the Cursor buttons (▲▼◀▶) ㉛ to select [Tuning] and then [Download].
4 Press the OK button ㉜ twice. Downloading of the setup data from the TV to the VCR starts.
5 When the programme position and the current time appear in the VCR display, downloading is complete.

To Set Up this VCR with an existing Q Link TV



1		Switch the TV on.
2		Select the AV input on your TV.
3		Set the VCR/TV switch to [VCR].
4		Press the VCR-ON/OFF button to switch the VCR on. Downloading of the setup data starts automatically.
5		To setup the Owner ID, repeat the steps **3**–**8** on the previous page.

On Screen Display



Indication during downloading

TV Reception Channels

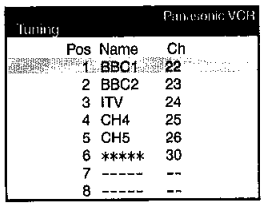
The reception channels are different from UK and Ireland.

List of TV Reception Channels

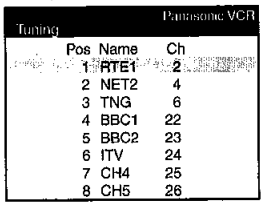
	VHF	UHF	CATV
UK	–	**21–68**	–
Ireland	**A–J**	**21–69**	**104–470MHz**

Channel listing may differ from the examples show below, depending on signal reception condition.

Example of UK model

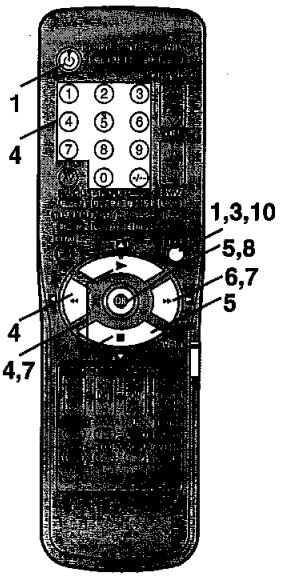


Example of Ireland model



Auto Setup (For TV and/or VCR without Q Link Functions)

START

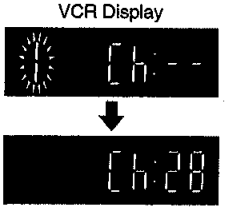


1 Turn on the TV, then press the VCR-ON/OFF button to switch the VCR on.
The VCR will now start Auto Setup.

– If Auto Setup has previously been completed this indication will not appear. In this case you can re-start Auto Setup again. See page 28.

– In some cases, where the VCR has been connected to your TV using the RF lead only (no Scart) the RF output channel may interfere with the TV stations transmitted in your area. This may prevent you from seeing the on screen display clearly. Please refer to page 12 for removing the interference before restarting Auto Setup (page 28).

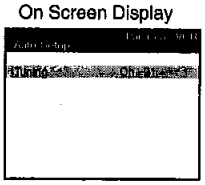
VCR Display



– If you want to cancel Auto Setup before it has finished, press the EXIT button.
You can restart Auto Setup again, see page 28.

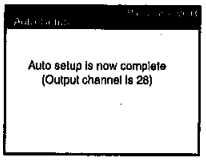
– The first digit of the VCR display will begin to flash. After a while, it will stop flashing and the RF output channel number will be displayed.

On Screen Display



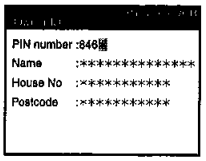
– If you have connected the VCR to the TV with a Scart lead, you will see the screen on the right during Auto Setup. You can skip step **2** below.

2 Select an unused channel pre-set on your TV and tune it to the RF output channel number shown on the VCR display (or until you can clearly see the Auto Setup screen shown on the right).
Store the new video playback channel (refer to the instructions for your TV).



– If you can see interference on the picture, you may need to change the RF output channel.
Follow the instructions on the next page to do this.

3 Press the EXIT button. The Owner ID screen will appear. You can complete the Owner ID now or skip this step and do it later.
To do it later, press the EXIT button again. Your VCR is now ready to use.



4 To set the Owner ID now, press the Numeric buttons or Cursor buttons (▲▼) to enter a four-digit PIN number. If you make a mistake then press the Cursor button (◀) and the re-enter the correct digit. Make sure that you will remember the PIN number (make a note of it).

5 Press the OK button and the Cursor button (▼).
The cursor moves to [Name].

6 Press the Cursor button (▶).

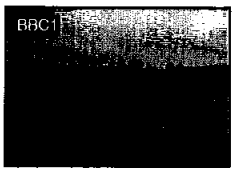
7 Press the Cursor buttons (▲▼) to select a letter and then press the Cursor button (▶) to move to the next letter.
Repeat these steps until you have entered your name.

8 Press the OK button to finish setting your name.

9 Enter the [House No] and [Postcode] in the same way.

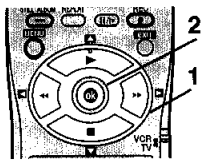
FINISH

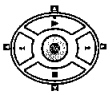
10 When you are happy with the information that you have entered, press the EXIT button to leave the Owner ID screen. You will now see the TV picture. Your VCR is now ready to use.



Quick Start Guide

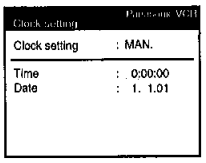
If the clock setting menu appears after Auto Setup has finished (Auto clock set was not possible due to weak signal)



1 
Press the Cursor buttons (▲▼◀▶) to set the correct time and date.

2
Press the OK button to finish this setting.

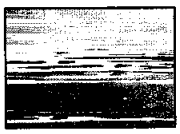
On Screen Display



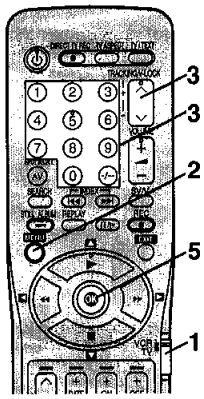
Removing Interference

In some cases, interference (lines or patterning) or a very poor picture may appear on the TV when the VCR is connected. If this happens, follow the steps below to change the video playback channel (RF output channel) to remove the interference.

TV screen



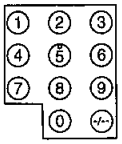
The picture with interference



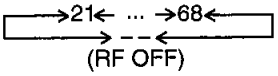
The clear picture

1
Set the VCR/TV switch to [VCR].

2
Press the MENU button for more than 5 seconds. The RF output channel number is displayed on the VCR display.

3 

Press the Numeric buttons or use the Channel button to select a channel number, which differs by 2 or 3 from the present channel number.
(For example, if the original channel number was 28, enter 31.)
– Set the RF output channel of the VCR to [−−] (RF OFF) when the VCR is connected to the TV via the 21-pin Scart cable.
Press the [0] numeric button or Channel button to display [−−].



4 Retune your TV until you receive the Test pattern. It may be necessary to repeat steps **2** and **3** above until you can see the Test pattern clearly.

5
Press the OK button to finish this setting.

On Screen Display

Test pattern indication

VCR display

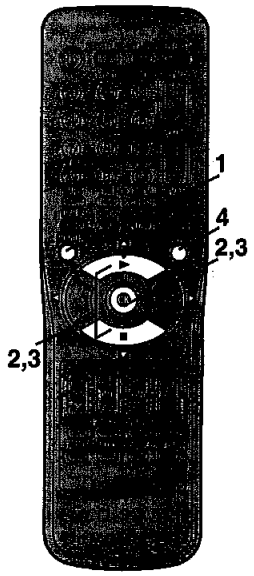
Indication when the RF output channel is 28 (example)

Indication after changing the RF output channel to 31 (example)

Test pattern indication

Checking the Settings for Auto Setup

To Confirm that the TV Stations Have Been Tuned Correctly by Auto Setup



1 MENU — Press the MENU button to display the OSD Main menu on the TV screen.

2 — Press the Cursor buttons (▲▼) to select [Tuning] then press the OK button.

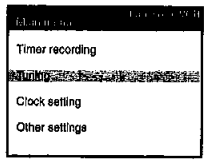
3 — Press the Cursor buttons (▲▼) to select [Manual] then press the OK button to display the list of tuned TV stations and confirm that all available TV stations have been set correctly.

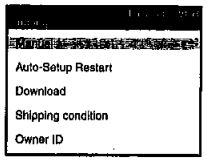
Positions 5 and 6 may differ from the example shown. If Channel 5 is received, it is usually found on programme position 5 and a connected satellite receiver on programme position 6.

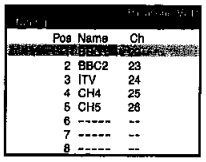
If Channel 5 is not received but a satellite receiver is connected, then the satellite receiver is found on programme position 5.

4 EXIT — Press the EXIT button to exit the On Screen Display.

On Screen Display







List of tuned TV stations (example)

When the station names and/or channel numbers have not been set correctly.
See page 27 for details.

When no station has been found, confirm all connections of the VCR again and restart the Auto Setup.
See page 28 for details.

Notes:
- If station name is [∗∗∗∗∗]:
  The asterisks indicate that a station was found during Auto Setup but has not been named (due to weak signal).
  The stations in the list with asterisk will need to be named manually. (See page 27.)
- If station name is [−−−−−]:
  The dashes represent unused channel positions.
  The stations in the list with dashes will need to be set manually. (See page 27.)

Connecting the VCR to a Decoder/ Connecting the VCR to a Stereo Amplifier

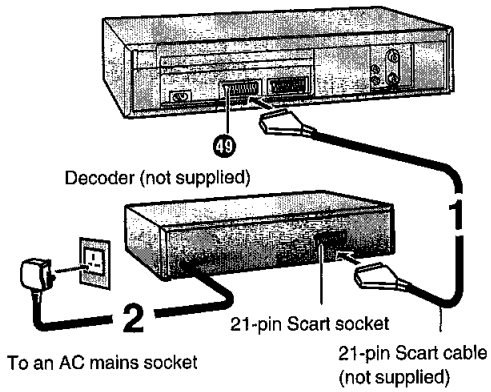
To connect this VCR to a decoder or a stereo amplifier, make the connections shown in the illustration below.
For the connection to the TV, see pages 7–8.

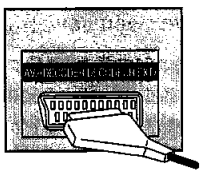
For details about the connection, also read the operating instructions of the decoder or stereo amplifier.

Be sure to keep the VCR, TV and decoder or stereo amplifier switched off until you have finished all connections.
For your safety, do not connect or handle the equipment with wet hands.

To Connect the VCR to a Decoder (For NV-FJ620B/BL and NV-SJ220B/BL only)

Decoder here refers to the device used to decode scrambled broadcasts (Cable TV).

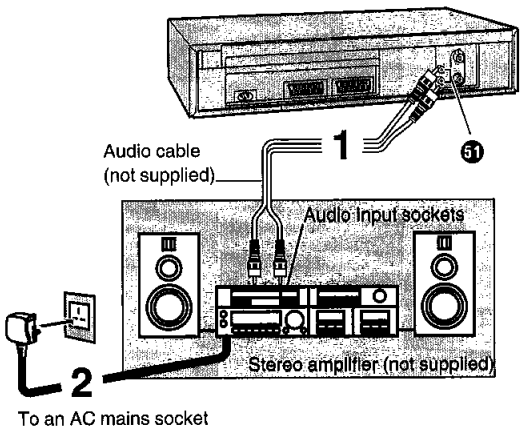


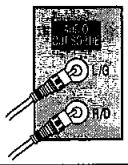
1		Connect a 21-pin Scart lead (not supplied) to the AV2 21-pin Scart socket ㊾ on the VCR and to the 21-pin Scart socket on the decoder.
2		Connect the decoder's mains lead to an AC mains socket.
3		Set [AV2] to [DECODER]. For details, see page 33.

Hint:

– [RGB] means separate Red/Green/Blue colour signals. If you connect a TV equipped with RGB input capability to the AV1 socket ㊿ on this VCR, and a decoder equipped with RGB output capability to the AV2 socket ㊾, RGB signal will pass through the VCR to the TV.

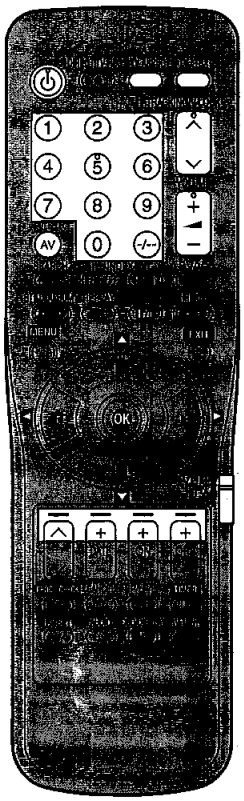
To Connect the VCR to a Stereo Amplifier (For NV-FJ620B/BL only)



1		Connect an Audio cable (not supplied) to the Audio Output sockets ㊶ on the VCR and to Audio Input sockets on the stereo amplifier.
2		Connect the stereo amplifier's mains lead to an AC mains socket.

Setting the Remote Control to Operate Your TV

Set the VCR/TV switch to [TV].



Only Panasonic TVs can be operated with the provided remote control.

The settings for operating the TV with the remote control have already been made.
No additional settings need to be performed.

However, some Panasonic TVs cannot be operated using this remote control.

You can use the TV-ON/OFF ❶, Numeric ❷, AV ❸*1, Channel ㉘, Teletext ㊱*2, VOLUME ㊲*3, TV/TEXT ㊳*4, and TV ASPECT ㊴*5 button for your TV operation.

*1 To select desired AV input on the TV.

*2 If your TV is equipped for Teletext reception, you can use these buttons to change the teletext information displayed on the screen and select desired information. For details, refer to your TV's operating instructions.

*3 To adjust the volume of the TV.

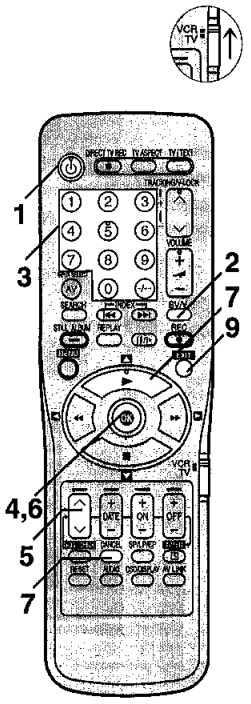
*4 To switch between normal TV mode and teletext mode.

*5 To switch the screen format between the wide-screen and other formats.

Video Plus+ Codes for Satellite Receivers/Cable TV

This VCR is not designed to control (switch on or change channel) your satellite receiver or Cable TV box, however, it can be taught to recognise Video Plus+ Codes for Satellite stations. The Satellite receiver or Cable TV box must be switched on and the correct station selected. Some receivers have their own timer facility for this purpose. Please refer to your Satellite Receiver/Cable TV box instructions for use of such timer facilities.

For your VCR to recognise the Video Plus+ Codes for each satellite station, you must teach your VCR which channel or AV input to record from for the first time. Otherwise when setting a Video Plus+ recording, the [——] symbol will appear in the channel position indicating that the VCR does not know which channel position to set. Once you have set the channel/AV input once the VCR will remember it whenever you use a Video Plus+ Code for the station again.



1 **Turn on the TV and the VCR.**
Select video playback channel on the TV.

2 SV/V+ **Press the SV/V+ button.**

3 **Enter a Video Plus+ Code from a Satellite TV Guide for a satellite channel, e.g. Sky 1 using the Numeric buttons.**

4 **Press the OK button. [——] will appear instead of a channel number/AV input.**

5 **Press the Channel button to select the channel or AV input that is to be used for recording from the satellite channel.**

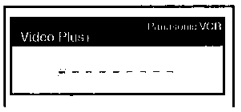
6 **Press the OK button to memorise the setting. The VCR will now automatically set the programme position or AV input correctly when a Video Plus+ recording is set for this satellite station in the future.**

7 CANCEL **Press the Cursor button (▲) to select the programme that you have just set. Now press the CANCEL button to delete it from the timer recording list. It is no longer needed.**

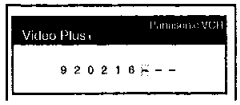
8 **Repeat steps 2–7 above until you have set and deleted dummy timer recordings for each of the satellite stations that you will make Video Plus+ recordings from.**

9 EXIT **Press the EXIT button when you have finished.**

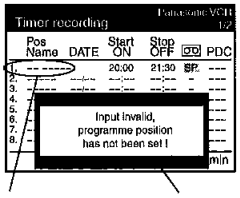
On Screen Display



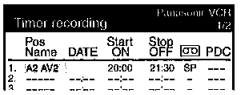
Menu for entering the Plus Code



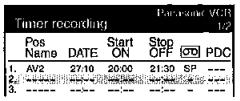
Indication when the Plus Code is entered



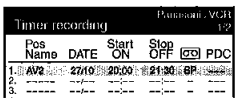
[——] indication Warning message



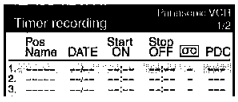
Indication when SAT channel is selected



Indication when the settings are concluded

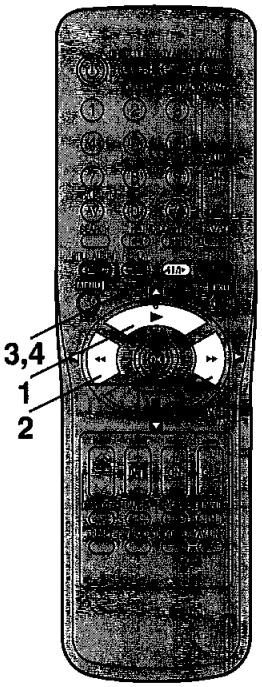


Menu when the programme to cancel is selected



Menu after the programming has been cancelled

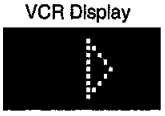
Playback



VCR Display

1 **For Normal Playback:**

Press the Play button.



2 **For Cue or Review Playback:**

During playback, press and release the Fast Forward or Rewind button.

– To return to normal playback, press the Play button.

– If you press and hold down the Fast Forward button or Rewind button, Cue or review playback continues for as long as you keep the button pressed.

For High Speed Cue or Review Playback (JET SEARCH):

During playback, press and release the Fast Forward or Rewind button twice.

– During high-speed cue or review (Jet Search mode), the tape transport noise will increase. This is normal.

3 **For Still Playback:**

During playback, press the Pause/Slow button.

– To return to normal playback, press the Play button or the Pause/Slow button.

4 **For Slow Playback:**

During playback, keep the Pause/Slow button pressed for more than 2 seconds.

– To return to normal playback, press the Play button.

To Stop Playback

Press the Stop button ㉒.

Fast-forwarding or Rewinding the Tape

Press the Fast Forward ㉓ or Rewind ❽ button in the stop mode.

– To stop fast-forwarding or rewinding, press the Stop button ㉒.

– To briefly view the picture during fast-forwarding or rewinding, press and hold down the corresponding button.

Cue, Review, Slow Playback, JET SEARCH, and Still Playback

– Cue, review, slow playback, or JET SEARCH will be automatically cancelled after 10 minutes, and still playback after 5 minutes.

SP and EP modes: Colour picture with horizontal noise bars.

LP mode: Black and white picture and picture distortion.

Playback – Off Timer Function
(To automatically stop playback and switch off after a given time)

If you set the playback duration, the playback will stop automatically.

After the set playback time has elapsed, the VCR automatically stops playback and switches off.

1 During normal playback, press the Play button ❼ on the VCR for 2 seconds to select the Playback-Off Timer Function.

2 Press the Play button ❼ repeatedly until the desired playback duration is shown on the VCR display. 30(min.) → 60 → 120 → 180 → 240 → Counter Display

3 To cancel this function, press the Stop button ㉒.

The tape stops and the display returns to normal.

To Play back a Recorded Part Repeatedly

Press the Play button ❼ on the remote control for more than 5 seconds. The [R] indication appears on the On Screen Display.
– If [OSD] is set to [OFF] (See page 33), the [R] indication will not appear in repeat playback mode.

To Cancel the Repeat Playback Mode:
Press the Stop button ㉒.

Replay Function (to replay approximately 10 seconds of tape again)

This function will operate from Play, Cue and Review modes.
During play (cue, review), press the REPLAY button ❺. The Tape will rewind or fast forward for about 10 seconds and playback again.

To Play back NTSC Video Cassettes on Your PAL TV (Quasi-NTSC Playback Function) (For NV-FJ620B/BL and NV-SJ220B/BL only)

This VCR allows playback of tapes recorded in the NTSC system on a PAL system TV, in the normal way.
On some TVs, the playback picture may not be stable. The picture may also not completely fill the height of the screen.

To Play back S-VHS Cassette Tape (SQPB=S-VHS Quasi Playback)

It is also possible to play back tapes recorded on an S-VHS VCR.
– The picture quality will be similar to VHS playback.
– It is not possible to make an S-VHS recording with this VCR.

To reset the tape counter (elapsed time) to "0:00.00".

– The tape counter is automatically reset to "0:00.00" when a video cassette is inserted.
– The tape counter can also be reset to "0:00.00" by pressing the RESET button ⓮ on the remote control.

Convenient function to prevent unauthorized use (Child Lock Function)

This function deactivates all buttons on the VCR and the remote control.
Use this function, when you do not want other people to operate the VCR.

To Activate the Child Lock Function:

1 Hold down the OK and the OFF (+) buttons ㉟ simultaneously until the "hold" indication appears in the VCR display.
– If you press a button while the Child Lock function is on, the "hold" indication appears in the VCR display to inform you that no operation is possible.

To Cancel the Child Lock Function:

1 Hold down the OK and the OFF (+) buttons ㉟ simultaneously until the "hold" indication disappears.
– If you disconnect the power cable, the Child Lock function is automatically cancelled after the power backup time of approximately 60 minutes has elapsed.
– If you cannot cancel the Child Lock function, press the EXIT button ㊳ and perform the operation 1.

Adjusting the Playback Picture

Under normal conditions, the VCR automatically adjusts the tracking for optimum performance. However, in some cases it may be necessary to adjust it manually.

If the Picture Contains Noise Bars and It Is Not Clear to See (Tracking adjustment):
If noise bars appear during normal playback, slow playback or still playback, follow the operations below.

During normal or slow playback, press the Channel button ㉘ ∨ (−) or ∧ (+) until the bars noise disappear.
– If the noise bars appear during still playback, switch the VCR over to the slow playback mode and then adjust the tracking as explained above.

TV screen

Playback picture containing noise bars

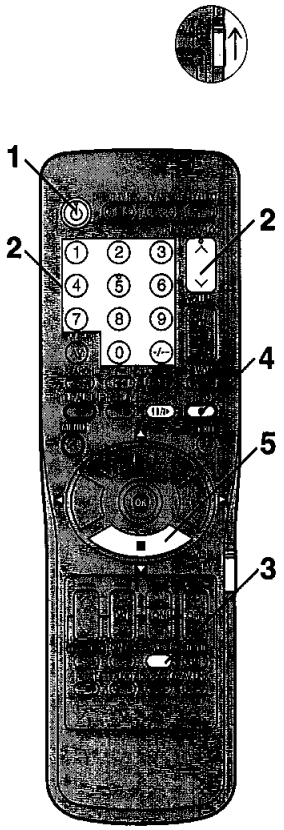
To Return to Auto Tracking:
Press the Channel buttons ㉘ ∨ (−) and ∧ (+) simultaneously.

If the Still Picture Jitters or Jumps (V-Lock Adjustment):
If the still picture jitters or jumps, perform the following.

During still playback, keep the Channel button ㉘ ∨ (−) or ∧ (+) pressed until the picture becomes stable.

Precautions:
– With certain TV models and tapes, it may not be possible to adjust the tracking.
– If you play back a cassette that was recorded on another VCR, the picture quality may be inferior and it may be necessary to adjust the tracking. Also, on some TVs, the picture may scroll up and down in the special playback functions. However, these are not malfunctions.

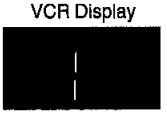
Recording



1 **Insert a video cassette with an intact erasure prevention tab.**
– If it has already been inserted, press the VCR-ON/OFF button to turn the VCR on.

2 **Select the TV station using the Channel button or the Numeric buttons.**
– To select the programme positions (1–99) of the VCR.
Example:
9: 9
19: -/-- → 1 → 9

VCR Display



3 SP/LP/EP

Press the SP/LP/EP button before recording.
– SP provides standard recording time and optimum picture quality.
LP provides doubled recording time with slightly reduced picture quality.
EP provides triple recording time with slightly reduced picture quality.

Record/Playback time
SP: 240 min with NV-E240
LP: 480 min with NV-E240
EP: 720 min with NV-E240

4 REC **Press the REC button to start recording.**

5 **Press the Stop button to stop recording.**

To Pause Recording

Press the Pause/Slow button during recording.
Press it again to continue recording.

Notes:
– We do not recommend the use of tapes longer than E240 type as the tape can be too thin.
– The recording pause mode will be automatically cancelled after 5 minutes and return to the stop mode.

To Watch One TV Programme while Recording Another TV Programme

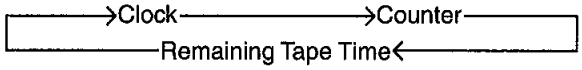
After pressing the REC button ㉔ to start recording, select on your TV the programme that you want to watch.

To Display the Approximate Remaining Tape Time

The remaining tape time can be displayed in the VCR display.

1 Select the correct cassette tape length. See page 32.

2 Press the OSD/DISPLAY button ⑮ repeatedly until the Remaining Tape Time appears on the VCR display.
- Pressing the OSD/DISPLAY button ⑮ once makes the On Screen Display appear; after that, pressing it repeatedly changes the indication in the following order:



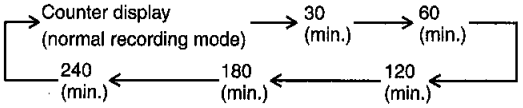
For certain cassettes, the remaining tape time may not be displayed correctly.

To Select the Recording Duration and Perform Timer Recording (One Touch Record)

You can start recording and select the recording duration by repeatedly pressing a single button. This is very convenient, for example when you want to start recording immediately but need to go out or want to go to bed.
After the selected recording duration has elapsed, recording stops and the VCR automatically switches off.

1 Press the REC/OTR button ⑯ to start recording.

2 Press the REC/OTR button ⑯ on the VCR repeatedly to select the desired recording duration.
- Every time you press this button, the recording duration indicated in the VCR display changes in the following order.

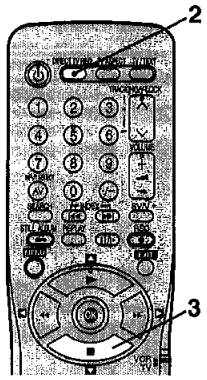


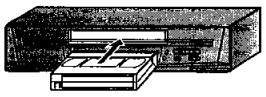
To Cancel the OTR Recording Before the End:
Press the Stop button ㉒.

To Immediately Record the Same TV Programme That You Are Viewing on the TV (Direct TV Recording) (For NV-FJ620B/BL only)

For correct operation of the Direct TV Recording function:
- Your TV must be equipped with the Q Link function.
- The VCR must be connected to the TV via a fully-wired 21-pin Scart cable.

This function immediately records the same programme that you are viewing on the TV.
The programme position selected on the VCR automatically changes to the TV programme that you are watching.
When you stop the recording, the VCR automatically switches back to the original programme position.





1		Insert a video cassette with an intact erasure prevention tab.
2	DIRECT TV REC ●	Press the DIRECT TV REC button. – Recording of the TV programme that you are viewing on the TV starts. – In some cases, it may not be possible to change the programme position on the TV during Direct TV Recording.
3	■	Press the Stop button, to stop recording.